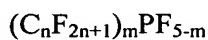


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Process~~ The process for the preparation of perfluoroalkylphosphines, ~~characterised in that it comprises at least the reaction of comprising reacting~~ at least one fluoro(perfluoroalkyl)phosphorane with at least one hydride ion donor, ~~wherein the reaction mixture is refluxed during the reaction, and a perfluoroalkyl phosphine is produced.~~
2. (Currently Amended) ~~Process~~ A process according to Claim 1, ~~characterised in that wherein~~ the fluoro(perfluoroalkyl)phosphorane employed is a compound of the general formula I



I

in which $1 \leq n \leq 8$, ~~preferably $1 \leq n \leq 4$~~ , and m is in each case 1, 2 or 3.

3. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that wherein~~ the fluoro(perfluoroalkyl)phosphorane employed is ~~a compound selected from the group consisting of~~ difluorotris(pentafluoroethyl)phosphorane, difluorotris(n-nonafluorobutyl)phosphorane, trifluorobis(n-nonafluorobutyl)phosphorane ~~and or~~ or difluorotris(n-heptafluoropropyl)phosphorane.
4. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that the reduction is~~ carried out without a reaction medium.
5. (Currently Amended) ~~Process~~ The process according to Claim 1, ~~characterised in that wherein~~ the hydride ion donor is ~~a compound selected from the group consisting of a hydrosilanes hydrosilane, an alkylhydrosilanes alkylhydrosilane, a metal hydrides hydride, a borohydrides borohydride and hydroborates or a hydroborate.~~

6. **(Currently Amended)** ~~Process~~ The process according to Claim 5, ~~characterised in that~~ wherein the alkylhydrosilane is triethylsilane or tripropylsilane.
7. **(Currently Amended)** ~~Process~~ The process according to Claim 5, ~~characterised in that~~ wherein the borohydride is sodium borohydride.
8. **(Currently Amended)** ~~Process~~ The process according to Claim 1, ~~characterised in that~~ wherein the hydride ion donor is employed in an equimolar amount or in excess, in each case based on the amount of fluoro(perfluoroalkyl)phosphorane employed.
9. **(Canceled)**
10. **(Currently Amended)** ~~Process~~ The process according to Claim 1, ~~characterised in that~~ wherein the duration of the reaction is ~~from~~ 0.5 to 20 hours, ~~preferably from 1 to 15 hours.~~
11. **(Currently Amended)** ~~Process~~ The process according to Claim 1, ~~characterised in that~~ wherein the perfluoroalkylphosphine(s) is (are) purified by distillation, ~~preferably~~ optionally under an inert-gas atmosphere, ~~if desired and optionally~~ under reduced pressure.
12. **(Currently Amended)** ~~Use of at least one tris(perfluoroalkyl)phosphine~~ A process for the perfluoroalkylation of chemical substrates, comprising reacting said substrates with a tris (perfluoroalkyl) phosphine.
13. **(Original)** ~~Use~~ The process according to Claim 12, ~~characterised in that~~ wherein the perfluoroalkylation is carried out in the presence of a base.
14. **(Currently Amended)** ~~Use~~ The process according to Claim 12, ~~characterised in that~~ wherein the substrates employed are ~~organic compounds, preferably~~ tricoordinated organoboron compounds and/or organic compounds containing carbonyl groups.